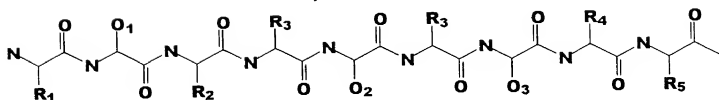


R. Rao KOGANTY et al.  
 Ser. No. 09/842,873  
 RANDOMLY GENERATED GLYCOPEPTIDE  
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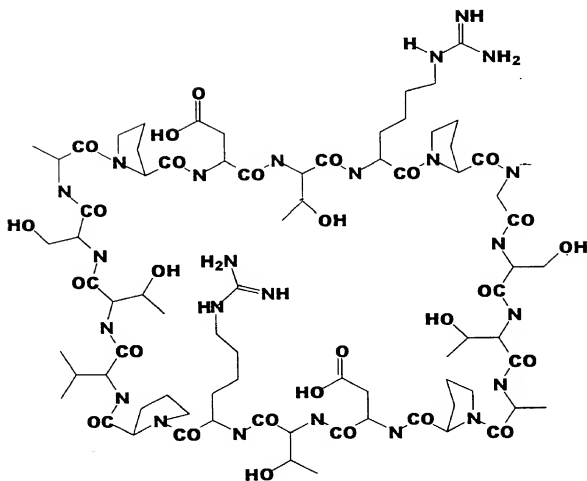


# **Combinatorial glycopeptides**

**O<sub>1</sub>, O<sub>2</sub>, O<sub>3</sub> = Glycosylation sites**

**R<sub>1</sub> to R<sub>5</sub> = Side chains that create site specificity**

**Figure 1**

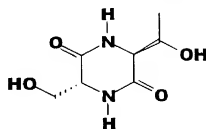


**A CYCLIC MUC1 PEPTIDE**

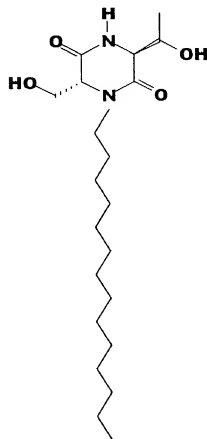
**Figure 2**

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**THE SIMPLEST CYCLIC PEPTIDE**



**A SOLUBLE VERSION OF THE ABOVE (with C<sub>14</sub> lipid)**

**Figure 3**

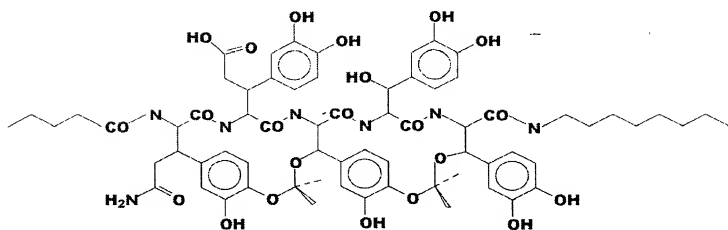
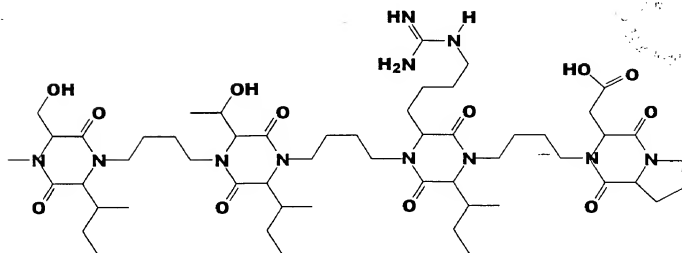


Figure 4

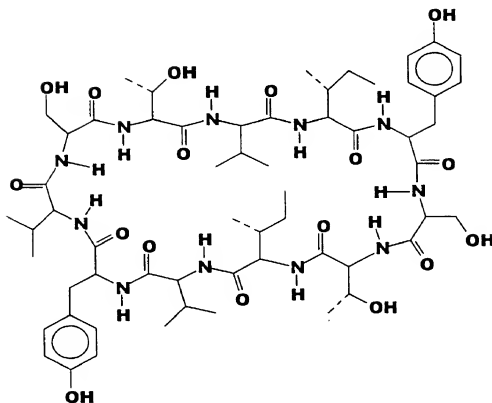


**Figure 5**

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AN EXAMPLE OF A CYCLIC PEPTIDE FOR RANDOM  
GLYCOSYLATIONS SOLUBILITY OF SUCH PEPTIDES  
MAY BE ENHANCED BY HYDROPHOBIC GROUPS

**Figure 6**

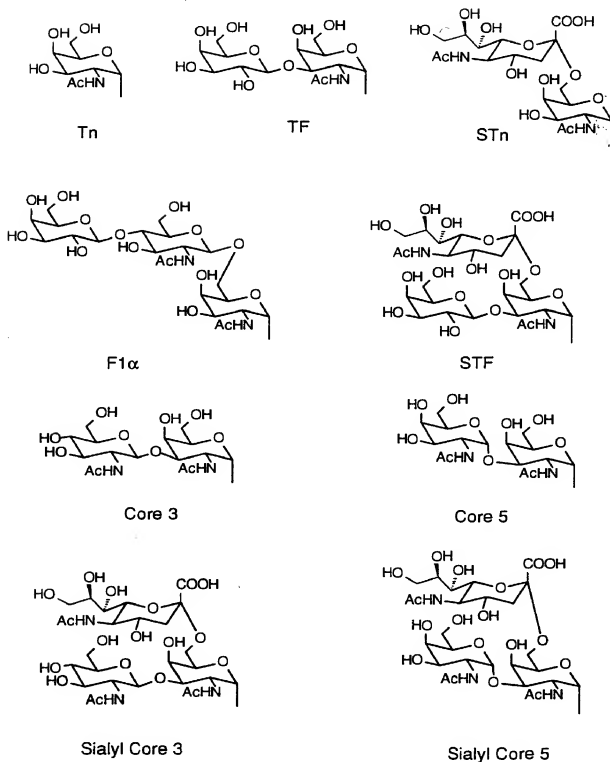


Figure 7. Carbohydrate structures found on cancer mucins

# Functional Demonstration of Glycopeptide Library With Well Characterized Monoclonal Antibodies

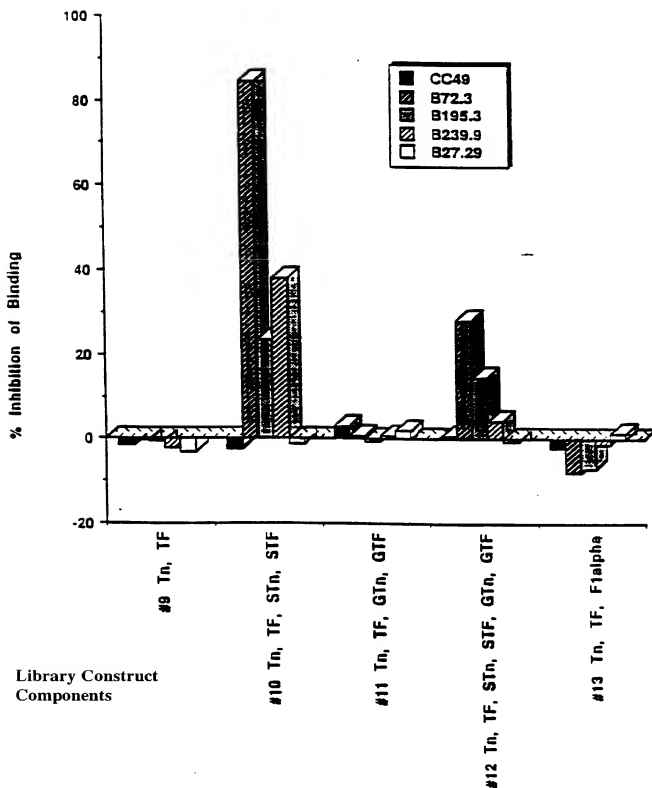


Figure 8